

# State and Outlook of U.S. Polar Icebreaker Fleet



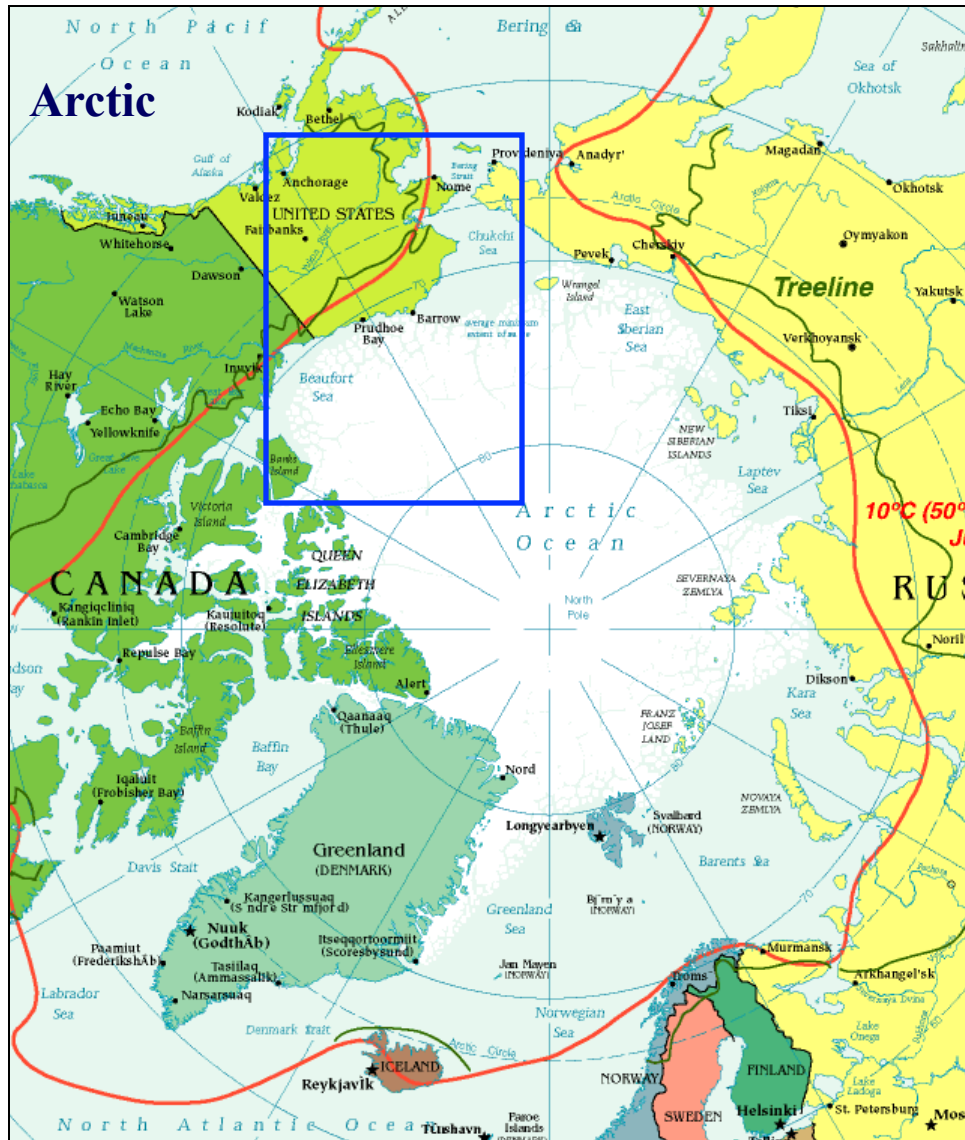
**5th Symposium on the Impacts of an  
Ice-Diminishing Arctic on Naval and  
Maritime Operations  
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# Polar Icebreaker Operating Areas



Antarctica



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# High Latitude Missions

## The Coast Guard has 9 general missions in the High Latitudes

- Search and Rescue
- Marine Safety
- Aids to Navigation
- Ice Operations (includes interagency and research support)
- Marine Environmental Protection
- Living Marine Resources
- Other Law Enforcement (protect EEZ)
- Ports, Waterways and Coastal Security
- Defense Readiness



Polar Icebreakers support *all* of these missions!



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# USCGC HEALY

- **Currently only mission-ready polar icebreaker in U.S. inventory**
- Completed 2012 Arctic summer science
  - BOEM Ocean Energy Study
  - Extended Continental Shelf Exploration
  - North Slope Mooring Deployment and Recovery (Pickart)
- 2013 Arctic schedule (Jul-Nov)
  - BOEM (August)
  - Kiegwin Coring (September)
  - Arctic Shield 2013 - USCG/NOAA Small UAV testing /oil detection (September)
  - North Slope Moorings (October)



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# USCGC POLAR STAR

- **On schedule to return to full mission capability in late 2013.**
- Underway in Arctic for ice training and presence for Arctic Shield 2013.
- Finalizing extensive overhaul to lengthen service life for 7 to 10 years



- NSF intends to use CGC POLAR STAR for Operation Deep Freeze 2014, the annual sealift re-supply (cargo, fuel) for McMurdo Station



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# USCGC POLAR SEA

- Addressing recent 2012 Authorization Act provisions
- Developing Business Case Analysis of the options for and costs of reactivating and extending the service life of CGC POLAR SEA



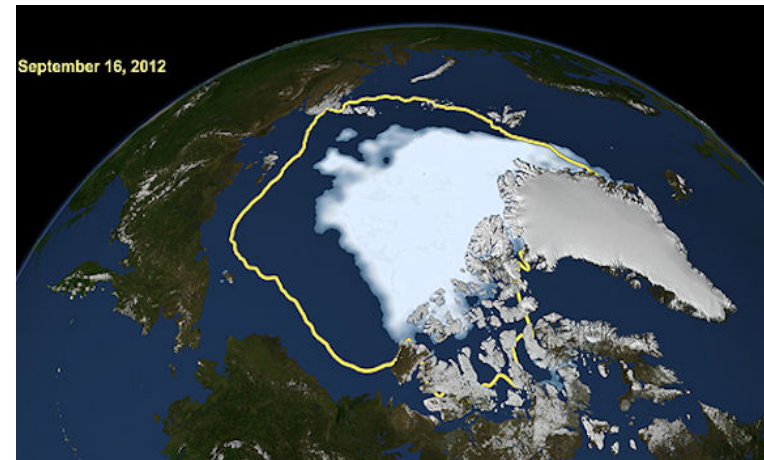
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# The Future Beckons....

## New Polar Icebreaker

- FY13 President's Budget: \$7.6M
- FY14 President's Budget request: \$2M to develop icebreaker operational requirements that will serve US Government missions in the Polar regions
- 2015 and beyond:
  - Preliminary design, acquisition planning, and required documentation (including specification and proposal)
  - After completion of pre-acquisition work, the Coast Guard plans to deliver a new heavy icebreaker in a decade.
- We will continue to work closely with the Administration and our Federal partners (NSF, NOAA, DoD, USN, et al) throughout the process to ensure we acquire the right capability for the Nation.

Summer 2012 Arctic sea ice extent compared with the average minimum extent over the past 30 years, in yellow. Credit: [NASA](#)



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